

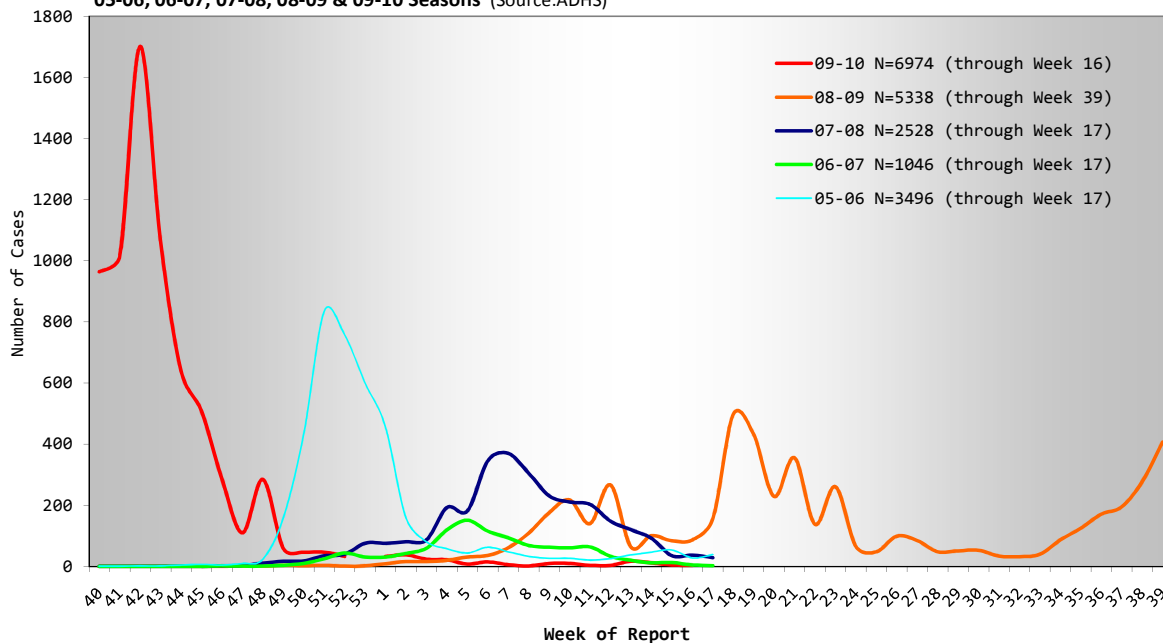
## MARICOPA COUNTY INFLUENZA SUMMARY UPDATE

### WEEK 16 (4/18/10-4/24/10)

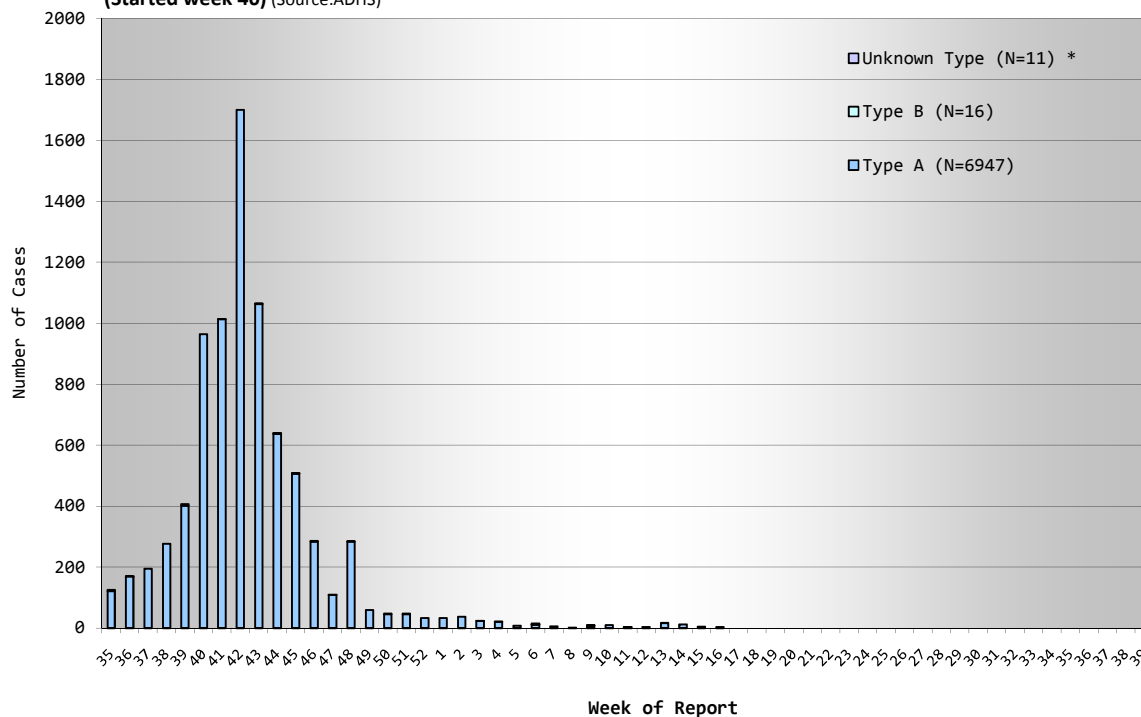
Data contained in this report reflect the time period above with the exception of School Syndromic Surveillance and Selected Emergency Departments which show more current data.

- **Lab Confirmed Influenza:** 6974 cases of influenza have been confirmed at the Arizona State Laboratory (Through week 16)
- **Pneumonia & Influenza Mortality:** 5.96% of deaths were due to pneumonia or influenza during week 16.
- **Influenza-Like Illness (ILI)** (Through week 16)
  - **Cigna Health Centers** (n=20): 0.00% of visits due to ILI. (provisional data; subject to change as updated information becomes available)
  - **Hospital Emergency Departments** (n=17): 0.56% of visits were due to ILI.
- **Selected Emergency Department (ED) Visits:** (n=6)
  - 0.16% of all visits were due to ILI (As of 4/30/2010)
  - 13.63% of all visits were due to a respiratory syndrome (As of 4/30/2010).
- **School Syndromic Surveillance:** 0.37% of students were absent due to an influenza-like illness during week 17. (68 school average)

Lab-Confirmed Influenza Cases Reported:  
05-06, 06-07, 07-08, 08-09 & 09-10 Seasons (Source:ADHS)

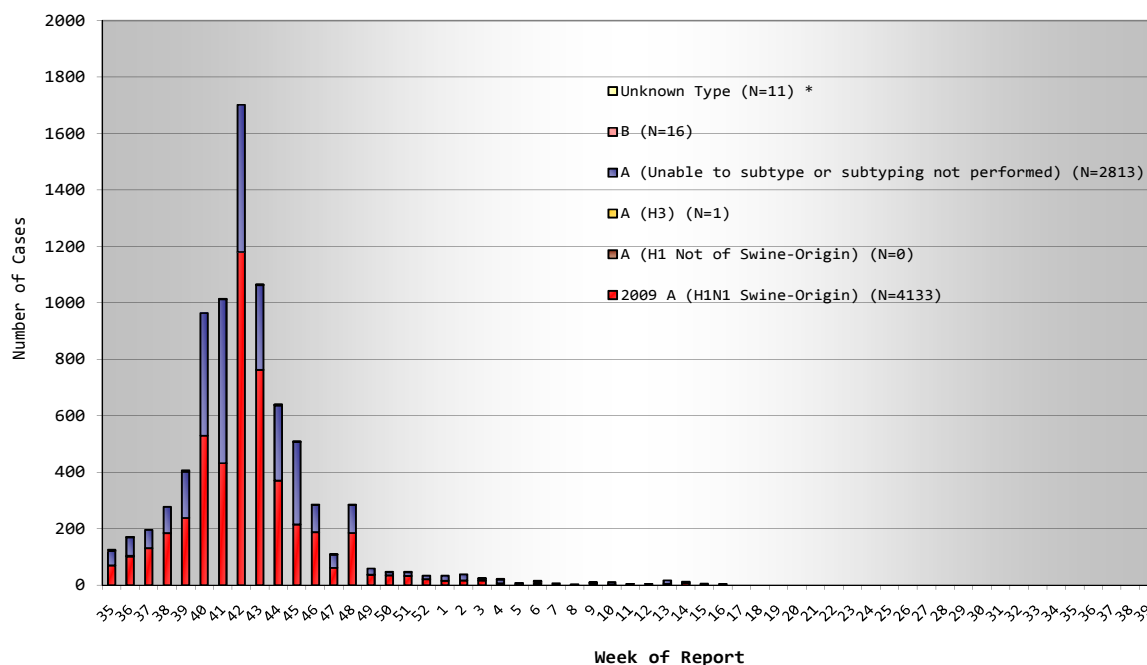


**Lab-Confirmed Influenza Cases Reported, 08-09 Season (Weeks 35-39 only) & 09-10 Season (Started week 40)** (Source:ADHS)



\*Sample sizes shown in chart legend represent confirmed influenza cases for the 2009-2010 season only. (Starting week 40)

**Lab-Confirmed Influenza Cases Reported, 08-09 Season (Weeks 35-39 only) & 09-10 Season (Started week 40)** (Source:ADHS)

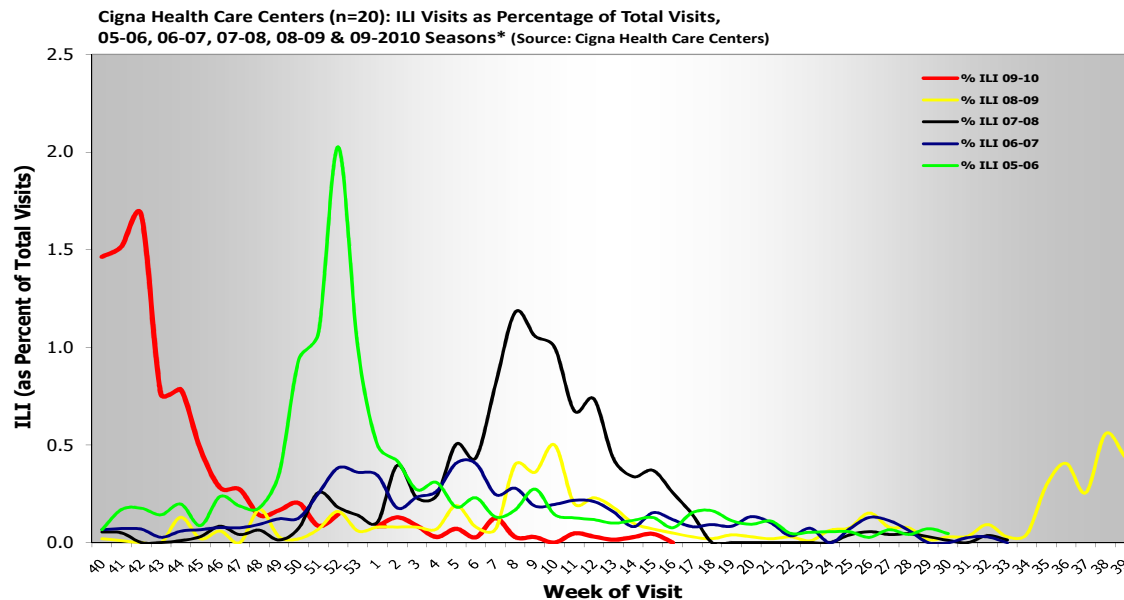


\*Sample sizes shown in chart legend represent confirmed influenza cases for the 2009-2010 season only. (Starting week 40)

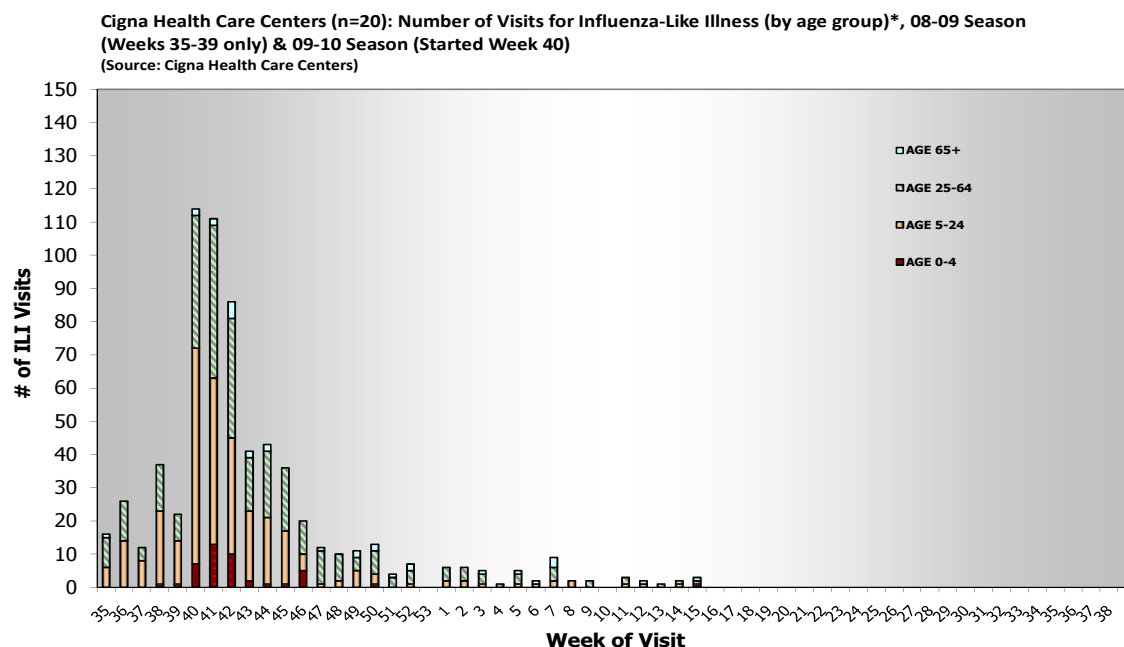
## Influenza-Like Illness (ILI)\* Surveillance

\*ILI case definition: fever (at least 100°F) AND cough and/or sore throat.

- During Week 16, 0.00% of patient visits to Cigna Health Care Centers (data from 20 centers, six departments) were due to ILI. During Week 16 of the two previous seasons, 0.05% (08-09) and 0.19% (07-08) of patient visits to Cigna Health Care Centers were due to ILI. (\*Provisional data; may change in subsequent reports as updated information becomes available.)
- The percentage of Emergency Department visits for ILI (data from 17 hospitals) was 0.56% for Week 16.



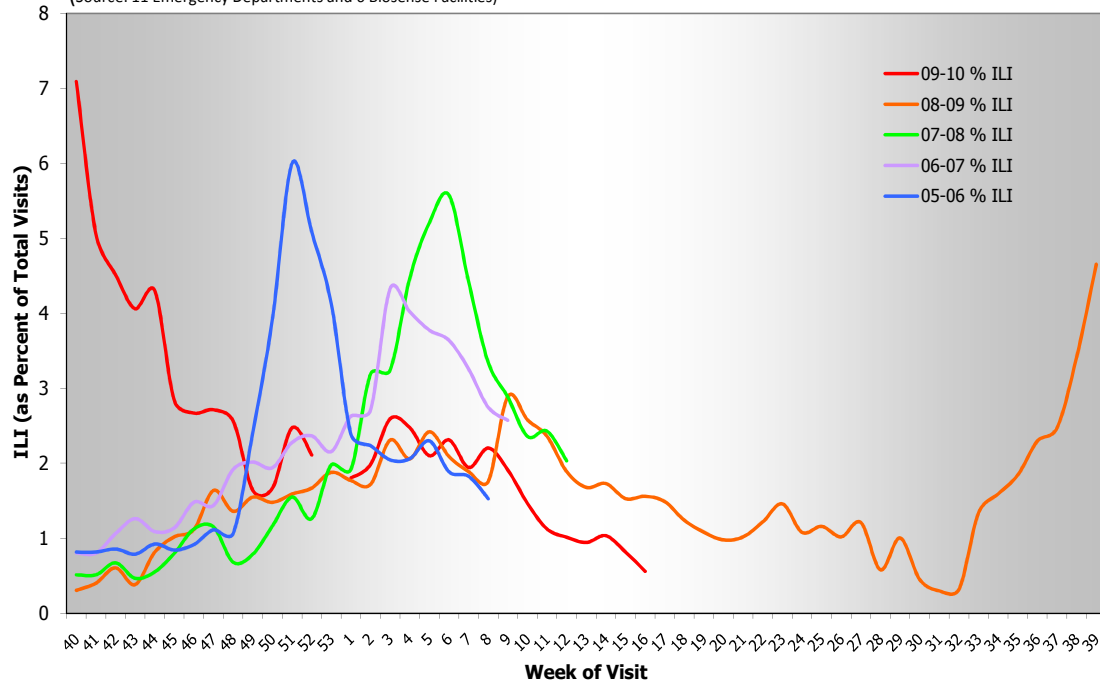
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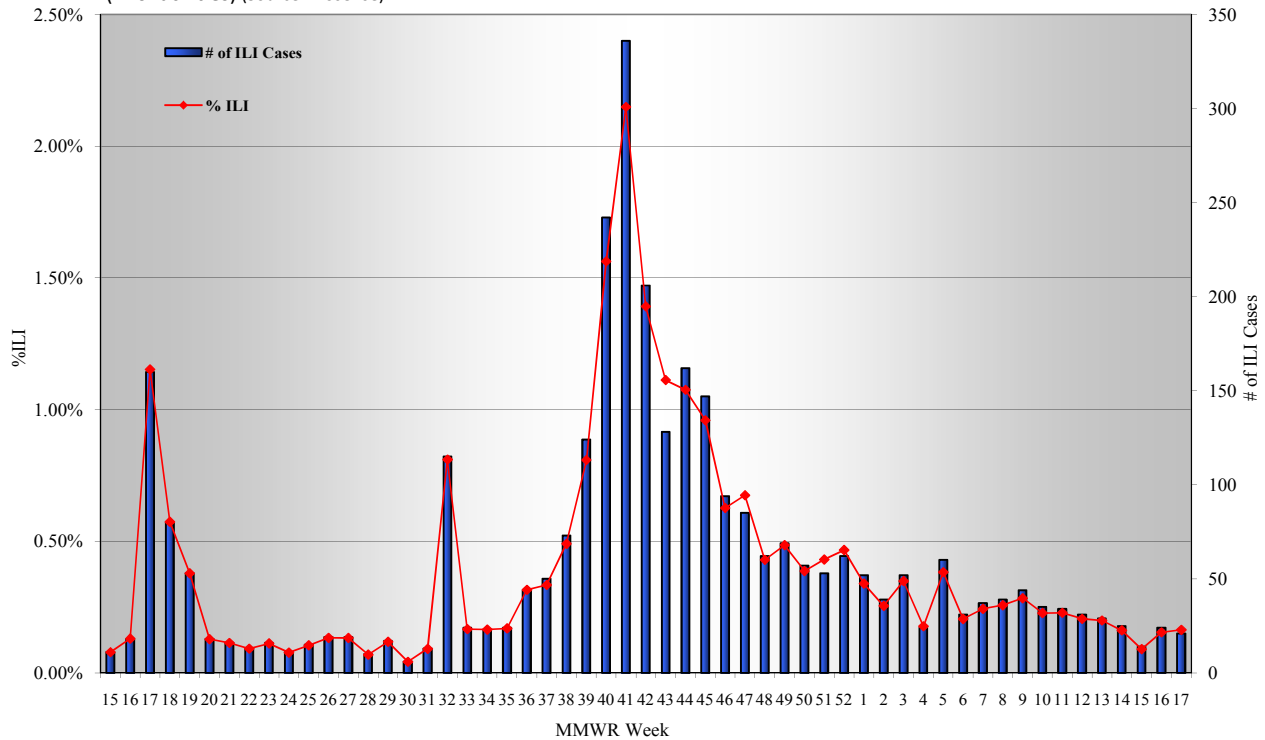
\*Data may change in subsequent reports as updated information becomes available.

**Hospital Emergency Departments (n=17): ILI Visits as Percentage of Total Visits**  
**05-06, 06-07, 07-08, 08-09 & 09-10 Seasons**

(Source: 11 Emergency Departments and 6 Biosense Facilities)

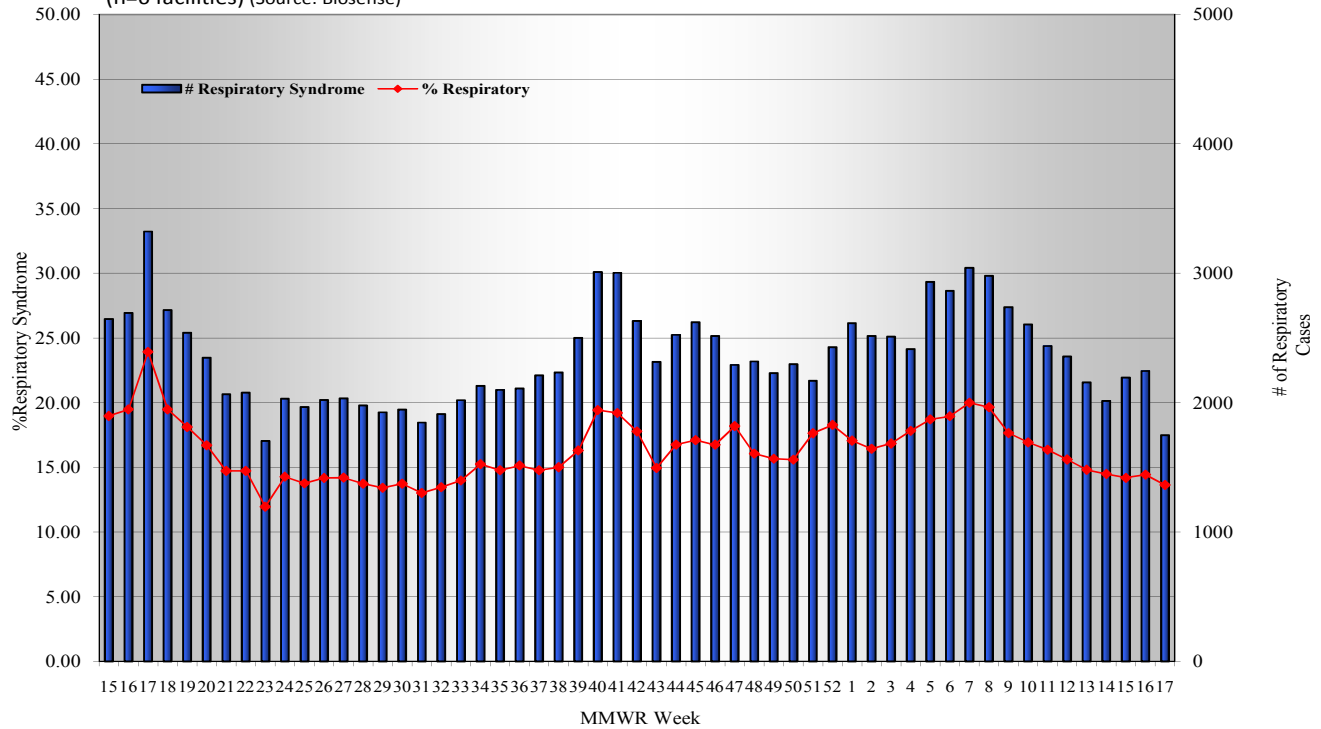


**Selected Emergency Departments Weekly Syndromic Surveillance: Influenza-Like-Illness**  
**(n=6 facilities) (Source: Biosense)**



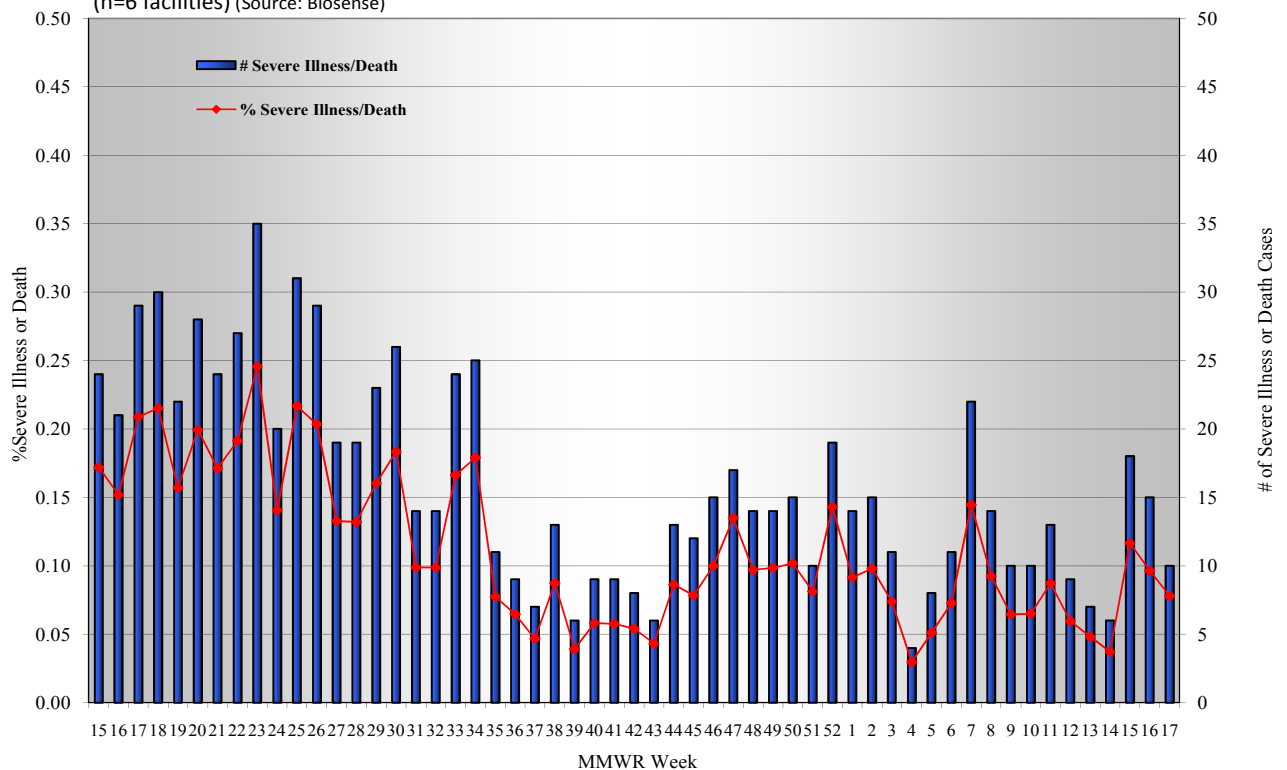
### Selected Emergency Departments Weekly Syndromic Surveillance: Respiratory

(n=6 facilities) (Source: Biosense)

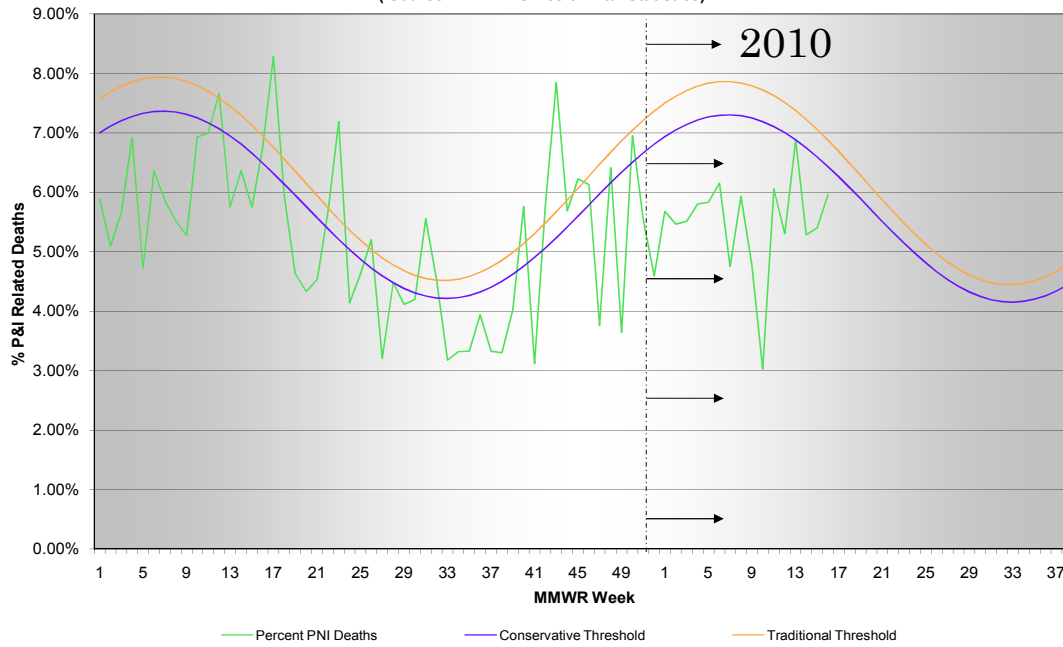


### Selected Emergency Departments Weekly Syndromic Surveillance: Severe Illness or Deaths

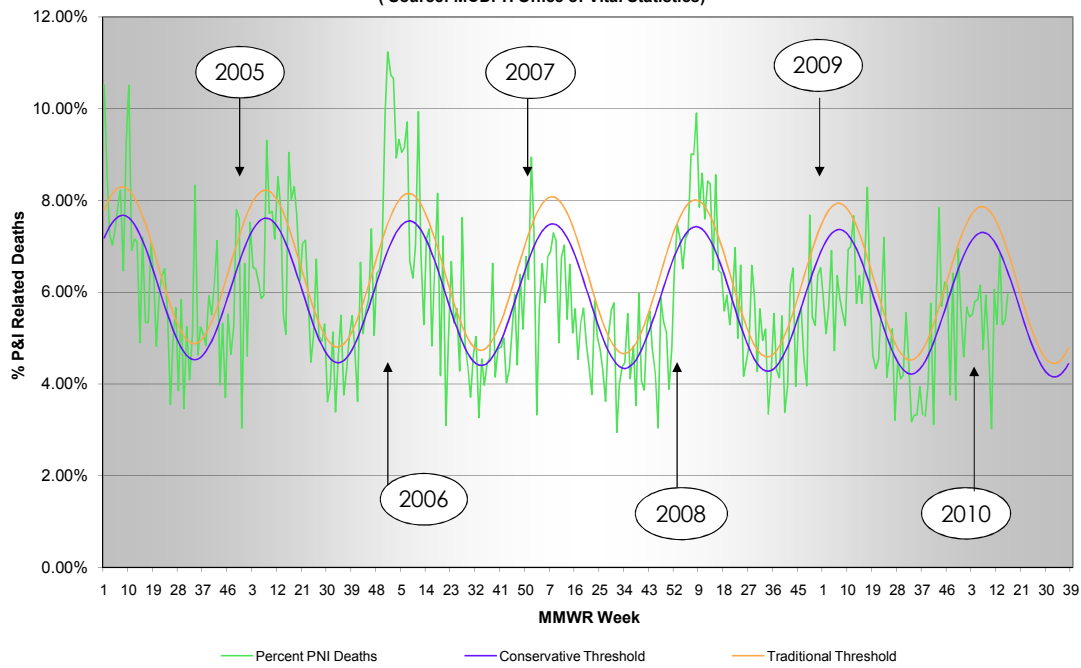
(n=6 facilities) (Source: Biosense)



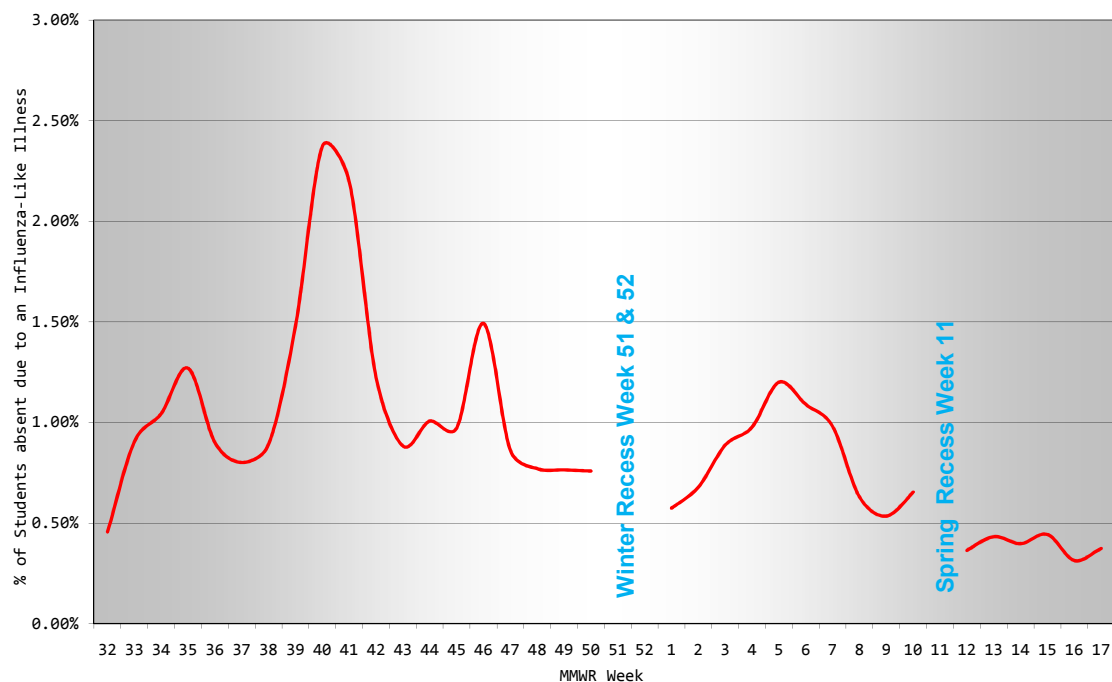
**Maricopa County 2009-2010**  
**Pneumonia and Influenza Related Deaths**  
 ( Source: MCDPH Office of Vital Statistics)



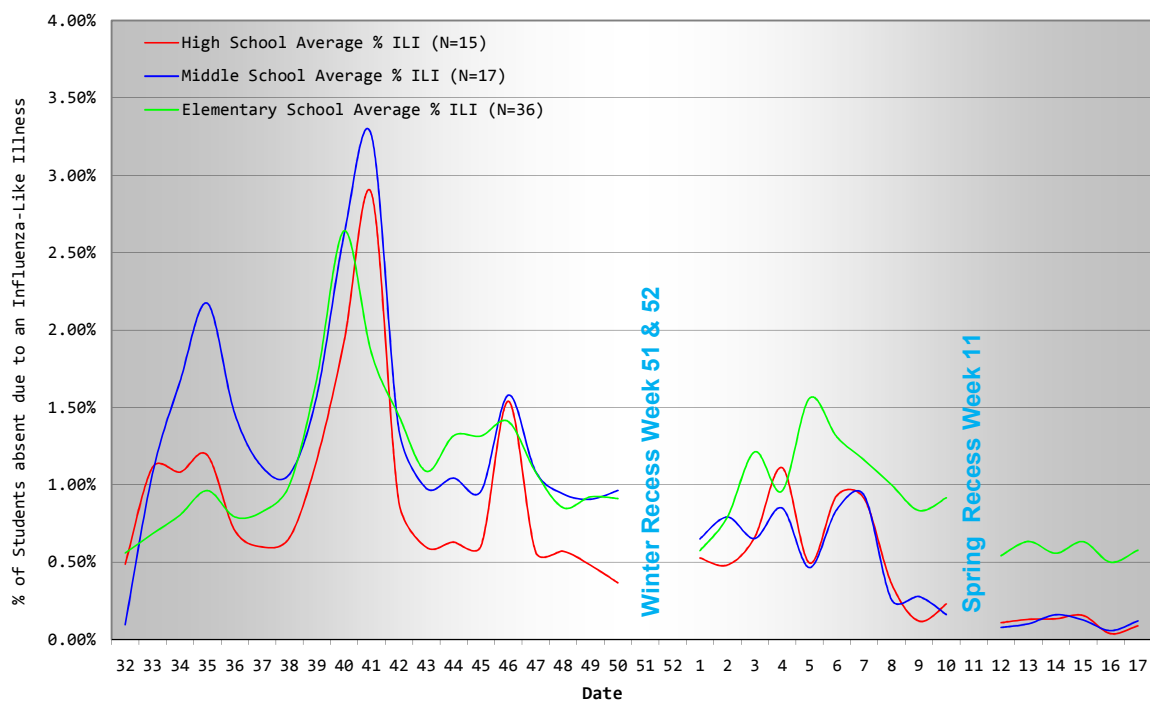
**Maricopa County 2004-2009**  
**Pneumonia and Influenza Related Deaths**  
 ( Source: MCDPH Office of Vital Statistics)



Maricopa County 2009-2010:  
School ILI Surveillance by MMWR Week (N=68 Schools)



Maricopa County 2009-2010:  
School ILI Surveillance by MMWR Week and Type of School



### ***Influenza Activity outside Maricopa County***

Information on influenza activity outside Maricopa County is available at these sites:

- [http://azdhs.gov/phs/oids/epi/flu/az\\_flu\\_surv.htm](http://azdhs.gov/phs/oids/epi/flu/az_flu_surv.htm) (Arizona Department of Health Services)
- <http://www.cdc.gov/flu/weekly/fluactivity.htm> (CDC)

*Due to wide variability between national- and local-level data, it is not appropriate to apply any national baselines or thresholds to the information represented in this report.*

Please email any questions about this report to: [dereksteinke@mail.maricopa.gov](mailto:dereksteinke@mail.maricopa.gov).

Report generated: 4/30/2010.

Birthdays

10/1

### ***Influenza Surveillance Participants include:***

**Arizona Department of Health Services**

**Cigna Health Care Centers**

**Arizona State University Campus Health Services**

**Local Hospital Emergency Departments & Infection Control Practitioners**

**68 Maricopa County Public Schools**



# MARICOPA COUNTY RSV SUMMARY UPDATE

**WEEK 16 (4/18/10-4/24/10)**

**Respiratory Syncytial Virus (RSV) Lab Surveillance:** At the time of this report, 1615 lab-confirmed cases of RSV have been reported through Week 16.

